

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: HUANG, Yao-Chung

SERIAL NO.:

FILED: Herewith

TITLE: GARDENING RAKE WITH IMPROVED STRUCTURE

Preliminary Amendment: CLAIM AMENDMENTS

1. (Currently amended) A gardening rake comprising:

a grip;

an extended pole, ~~which is~~ provided at one end of the grip;

rake heads, ~~which are~~ provided at ~~the~~ an end of said extended ~~poles~~ pole and
~~constructed~~ comprised of several spaced talons. ~~The features include:—~~
~~— various~~ said talons ~~of the rake head are designed with~~ having a T-shape head.
2. (Currently amended) The gardening rake defined in Claim 1, wherein said rake ~~head shall~~
~~be available with~~ heads have a single-component structure.
3. (Currently amended) The gardening rake defined in Claim 1, wherein said rake ~~head shall~~
~~also be available with~~ heads have two respective groups of clamping mechanisms.
4. (Currently amended) The rake head defined in Claim 3, wherein ~~a~~ each group of clamping
~~device shall be applied to control the~~ mechanisms controlling a clamping or unfolding of ~~the~~ said
rake heads. ~~The clamping device comprises:~~

a fixation base, provided at one end of the extended poles ~~of this gardening tool. It is applied to screw the~~ and screwing connecting ends of rake heads onto left and right pivot notches via ~~the a bolt. And, the,~~ said connecting ends ~~of rake head is~~ being provided with a gear wheel;

a transmission mechanism, screwed into left and right pivot notches of ~~the a~~ fixation base. ~~The transmission mechanism has~~ and having a rim that gears into the gear wheel ~~of the connecting ends of rake heads. And, and~~ a spring ~~is placed between the~~ an inner side ~~of the transmission mechanism thereof~~ and one fixation wall of the fixation base. ~~Also, the inner side of the transmission mechanism is~~ being mounted with a screw hole;

a linkage bar, placed into the extended poles ~~of this gardening tool. The, and having~~ a rear end ~~of the linkage bar is~~ thereof provided with a screw thread that can be screwed into the screw hole within ~~above-mentioned~~ said transmission mechanism. ~~And, the, a~~ head end of the linkage bar ~~is~~ being provided with a screw end that can extend to the grip ~~of this gardening tool; and~~

a withhold handle, provided at the grip ~~of this gardening tool. The withhold and~~ having an end ~~is~~ mounted with an open hole where the screw end of the linkage bar can punch through. ~~And, and~~ a screw nut ~~is~~ used to fix the handle.